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STATE STAFF, LOCAL GUIDANCE COUNSELORS, AND COLLEGE AND UNIVERSITY PERSONNEL OF CONNECTICUT CONDUCTED 32 VOCATIONAL RESEARCH STUDIES. EACH IS SUMMARIZED TO INCLUDE PROJECT NUMBER, PRINCIPAL INVESTIGATOR, PROJECT CONSULTANT, PURPOSE OF STUDY, SOURCE OF DATA, AND FINDINGS AND CONCLUSIONS. SOME STUDIES ARE PRESENTLY IN PROGRESS. THEY INCLUDE--(1) GRADUATE FOLLOWUPS OF VOCATIONAL AND TECHNICAL SCHOOLS, (2) A STUDY OF THE ROLE OF DATA PROCESSING IN VOCATIONAL EDUCATION, (3) A REPORT ON STUDENT ADMISSION TO AREA VOCATIONAL SCHOOLS, (4) SURVEYS OF MANPOWER NEEDS IN THE FISHERIES OCCUPATIONS, AIR CONDITIONING AND REFRIGERATION INDUSTRY, AND HOSPITALS IN CONNECTICUT, (5) A SURVEY OF HEALTH OCCUPATIONS CURRICULUMS, (6) DEVELOPMENT OF A CURRICULUM FOR NONFARM AGRICULTURAL EMPLOYMENT IN CONNECTICUT, (7) A STUDY OF BEGINNING OFFICE WORKERS IN CONNECTICUT, AND (8) A SURVEY OF TRAINING NEEDS IN CONNECTICUT PLASTICS INDUSTRIES. (PS)

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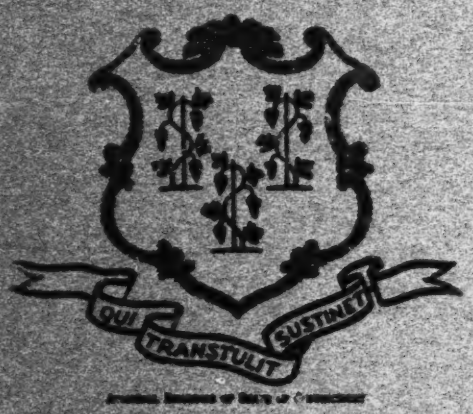

RESEARCH REPORT

1965-1966

CONNECTICUT STATE

DEPARTMENT OF EDUCATION

DIVISION OF VOCATIONAL EDUCATION

SEPTEMBER, 1966

VT 02332

CONNECTICUT STATE DEPARTMENT OF EDUCATION
Division of Vocational Education
Hartford

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U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
OFFICE OF EDUCATION

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FOREWORD

The Research Unit of the Bureau of Vocational Services has been active in the conduct of vocational research for many years. Since 1965, with the availability of funds allocated under Section 4(c) of the Vocational Education Act of 1963, the research activities have been expanded and an organized system of dissemination has been introduced. It has also been possible to involve colleges, universities, and local school systems in research.

This summary, compiled by Mr. Richard C. Wilson of the research staff, includes the various studies conducted by the State staff, local guidance counselors and colleges and university personnel. It is expected that future summaries will contain more study reports and cover a greater variety of areas. It is only through dissemination of research findings and implementation of these findings that research studies become significant.

Herbert Righthand
Chief
Bureau of Vocational Services

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Project No. 627

Title of Study:

ROLE OF DATA PROCESSING IN VOCATIONAL EDUCATION

Principal Investigators:
H. Righthand and E. Terrell

Purpose of Study:

A study to investigate the applicability of data processing techniques in the record keeping procedures of schools and for central office reporting.

Source of Data:

Reports from Technical Institutes and the Norwich Regional Vocational-Technical School.

Findings and Conclusions:

The Technical Institutes are currently using D.P. to publish grade reports and are investigating both transcript and test scoring usage of D.P. equipment.

The Norwich Regional Vocational-Technical School developed a pilot program which produced and addressed quarterly report cards, and printed transportation reports for area towns. In addition grades and grade patterns were analyzed with the D.P. equipment. Shop analysis of achievement was also handled on the D.P. equipment.

Furthur data processing applications which other vocational-technical schools might explore are:

1. Compilation of available student test scores
2. Analysis and recording of attendance
3. Comparison of admission data and achievement by student and shop
4. Pattern analysis of early school terminators
5. Programming of Quarterly Reports for Central Office (VT-1 D etc.)

The uses and applications of data processing techniques will vary according to the size and needs of each school. It appears, as a result of this pilot study, that serious consideration should be given to data processing techniques in the vocational-technical schools.

Project No. 632

Title of Study:

FIVE AND TEN YEAR GRADUATE FOLLOW-UP

Principal Investigators:
H. Righthand, E. Terrell, R. Wilson

Purpose of Study:
To ascertain certain information pertaining to graduates of Connecticut regional vocational-technical schools for the school years 1953 and 1958.

Source of Data:
Study coordinators were assigned in each of the fourteen regional vocational-technical schools. Questionnaires were mailed to determine the status of 1953 and 1958 graduates.

Findings and Conclusions:
A final draft of this project is being prepared.
Some of the more significant findings show:

1. That two-thirds of the 1953 graduates were still employed in their trade or in a related occupation ten years after graduation
2. That three-fourths of the 1958 graduates were still in their trade five years after graduation.
3. The average 1963 salary was $7085 for the 1953 graduates and $5746 for the 1958 graduates.

This study also includes information on the following:

a. Educational levels
b. Apprentice status
c. Suggestions for program improvement
d. School subject ratings
e. Comparison of the two classes
f. Self-employed graduates
g. Mobility
h. Supervisory or management positions

Project No. 651

Title of Study:

PROJECTED PROGRAMS IN VOCATIONAL EDUCATION FOR CONNECTICUT (1965-66)

Principal Investigator:
E.J. Terrell

Purpose of Study:
This study is an annual study required by the U.S. Office of Education. It is used to justify federal reimbursement and for legislative activity which seeks program expansion.

Source of Data:
Connecticut Labor Department, Connecticut Development Commission Bureau of Research Statistics and Finance, State Department of Education.

Findings and Conclusions:
Projected statistics indicate need for expansion of services offered by the Division of Vocational Education and its bureaus. The industrial and business community of the state have a growing need for vocational program expansion.

Project No. 652

Title of Study:

EMPLOYERS OF 1964 GRADUATES

Principal Investigator:
E.J. Terrell

Purpose of Study:
This survey requested by the State Board of Education attempted to identify the employers of graduates (Class of 1964) from selected vocational programs.

Source of Data:
Surveys conducted in 14 state operated regional vocational-technical schools and 4 state operated technical institutes.

Findings and Conclusions:
The graduate survey of October 1, 1965 conducted by the vocational-technical schools and technical institutes, revealed that 87.5 percent of these graduates, available for employment were employed in their trade area or in a trade related field.

These graduates obtained employment primarily within the state, in a multitude of industries of all sizes. Only a small percentage obtained employment outside of the state. When an out-of-state position was reported, it usually involved a state which borders Connecticut.

Further information concerning this survey may be found in Vocational Research Letter No. RR-3 (series 1965-66)

Project No. 653

Title of Study:

ORGANIZATION AND ACTIVITY CHARTS FOR VOCATIONAL-TECHNICAL SCHOOLS

Principal Investigator:
E.J. Terrell

Purpose of Study:
The intent of this study was to determine the most effective means of establishing personnel control techniques for vocational program operational and administrative units.

Source of Data:
Materials supplied by operational units in selected vocational programs.

Findings and Conclusions:
The staff growth in all vocational programs requires continual review of procedures used for personnel control. This study will be required to continue in order to reflect both change and staff increase. Current changes contemplated will involve use of basic electronic data processing equipment with the eventual possibility of a fully automated system.

Project No. 654

Title of Study:

GRADUATES-REGIONAL VOCATIONAL-TECHNICAL SCHOOLS 1964-1965

Principal Investigator:
E.J. Terrell

Purpose of Study:
To summarize by school and trade the graduates of 14 state operated regional vocational-technical schools.

Source of Data:
Reports from 14 regional vocational-technical schools.

Findings and Conclusions:
In June of 1965, 1980 students completed programs and were graduated from the 14 state operated vocational-technical schools in Connecticut. This total number of graduates was 262 greater than the total for the previous year.

As in the previous graduating class the largest number of graduates were in the Licensed Practical Nursing Program (316 graduates)

The Machinist program was second (231 graduates), and the Electricians program third (225 graduates).

The detailed breakdown by trade and school may be viewed in Vocational Research Letter No. RR-1 (series 1965-66)

Project No. 655

Title of Study:

STATE-TECHNICAL INSTITUTE GRADUATES 1961-1965

Principal Investigator:
E.J. Terrell

Purpose of Study:
Compilation of graduates of 4 state operated technical institutes by institute and technology.

Source of Data:
Graduation data supplied by each of the 4 state technical institutes.

Findings and Conclusions:

In June of 1965, 273 students were awarded Associate Degrees in Applied Science. The largest group of graduates completed the Mechanical Technology(77). The Electrical Technology was next in number of graduates (73).

Further detail may be found in Vocational Research Letter No. RR-2 (Series 1965-1966)

Project No. 656

Title of Study:

STUDENT ADMISSION REPORT

Principal Investigator:
E.J. Terrell

Purpose of Study:
This study conducted each year has as its major objective the compilation of numbers of new applicants and acceptances into state operated regional vocational-technical schools and technical institutes.

Source of Data:
Admissions data supplied by fourteen vocational-technical schools and four technical institutes.

Findings and Conclusions:
Regional vocatiwnal-technical schools had a total of 5,277 new applicants for their 1965-66 school year programs. Fifty-nine percent of these applicants (2,774) were accepted and registered. Eighteen percent (959) of these not accepted were qualified for admission, if space had been available in the respective programs.

The state technical institutes had a total of 2,274 new applicants. Fifty-seven percent of these new applicants (1,070) were accepted and registered. Thirteen percent of those not accepted were qualified for admission.

For further information on this study may be obtained in Vocational Research Letter No. RR-4. (series 1965-66)

Project No. 657

Title of Study:

VEA-63 ENROLLMENT REPORTING PROCEDURES

Principal Investigator:
E.J. Turrell

Purpose of Study:
The addition of new vocational programs in public high schools required a review of techniques for collecting enrollment data.

Source of Data:
P.L. 88-210, Bureau Vocational Technical Schools, Bureau Technical Institutes and Bureau of Vocational Services.

Findings and Conclusions:
The existing forms used in gathering enrollment statistics from regional vocational-technical school programs were not satisfactory for use in local school programs.

A set of forms (VEA-1D) and instruction sheets for form use were developed.

Project No. 658

Title of Study:

PRELIMINARY SURVEY OF HOSPITAL EMPLOYMENT NEEDS FOR THE GREATER HARTFORD AND WATERBURY AREAS

Principal Investigator:
E.J. Terrell

Purpose of Study:
To make a preliminary survey of the information available pertaining to hospital employee needs in the Hartford and Waterbury areas.

Source of Data:
Various publications of Connecticut Labor Department.

Findings and Conclusions:
Outstanding shortages in the Greater Hartford area hospitals exist in the following categories: Licensed Practical Nurse, Nurses Aide, Medical Transcriptionist and Medical Secretary.

In the Greater Waterbury area the greatest needs were in the fields of Licensed Practical Nurse and Nurses Aide.

Project No. 659

Title of Study:

REGIONAL VOCATIONAL-TECHNICAL SCHOOL AND TECHNICAL INSTITUTE ENROLLMENTS 1963-1965

Principal Investigator:
E.J. Terrell

Purpose of Study:
This survey was made to provide statistics on October 1 enrollments for the years 1963, 1964 and 1965.

Source of Data:
Quarterly Reports (VT-1D) for 1963, 1964 and 1965

Findings and Conclusions:
Results of the survey may be viewed in Vocational Research Letter No. RR-11 (series 1965-66). The data is shown by school and institute.

Project No. 6510

Title of Study:

SURVEY OF HEALTH OCCUPATIONS CURRICULA, 1964-65

Principal Investigator:
R.C. Wilson

Purpose of Study:
To survey health occupations curricula in Connecticut which train persons to render supportive services to the health professions. The study was limited to federally reimbursed programs.

Source of Data:
Teachers and consultants in health education programs, quarterly enrollment reports from individual schools, and graduate follow-up reports.

Findings and Conclusions:
During the fiscal year 1964-65:
1. There were seven programs in operation in this field.
2. There were a total of nine instructors in these programs, eight of whom possessed at least a bachelor's degree.
3. There were a total of 281 students who were graduated from six of the seven programs (the seventh program was instituted during the fiscal year, thus having no graduates this year).
4. A total of 469 students were admitted to the seven programs.
5. A total of 12,980 clock hours of instruction were reported.

Project No. 6511

Title of Study:

A STATEWIDE SURVAY OF THE MANPOWER NEEDS IN THE FISHERIES OCCUPATIONS IN CONNECTICUT

Principal Investigator:
R.E. Bennett

Purpose of Study:
To determine the occupational training needs in the fisheries industries including processing and marketing, and to further identify related occupations associated with the industry.

Source of Data:
Board of Fisheries and Game, Marketing Division, Department of Agriculture and Natural Resources, the Shell Fish Commission. The State Department of Health. The State Development Commission. The State Labor Department. Interviewed was Mr. Edward Stolarts, Governor Dempsey's appointee to the committee of Atlantic States Marine Fisheries and others.

Findings and Conclusions:

1. The commercial fisheries industry in Connecticut appears to be a declining industry.
2. The shad fish industry could nearly double its income with more skilled filleters. However, this would involve training for seasonal employment in an area in which there may be difficulty obtaining interested students.
3. There is very little processing associated with the fisheries industry in Connecticut.
4. There is a natural reluctance for youth to enter the fisheries industry.
5. There was some need indicated for supplementary training in net use and maintenance for the fishing industry.

Project No. 6512

Title of Study:

A STUDY TO DETERMINE THE MANPOWER NEEDS OF THE AIR-CONDITIONING AND REFRIGERATION INDUSTRY IN CONNECTICUT

Principal Investigator:
R.E. Bennett

Purpose of Study:
To determine the need for manpower in air-conditioning and refrigeration services and to determine the nature of the work in order to provide more up-to-date information for new and/or expanded training programs for the industry.

Source of Data:
Interviews were conducted with wholesale and retail distributers, service representatives, contracting associations in the various trade areas, union representatives, personnel in the Labor Department, State Housing Division, Occupational Licensing.

Findings and Conclusions:

1. There is no simplified method for identifying the number of air-conditioning and refrigeration workers in Connecticut.
2. There is no simplified method for identifying the manpower needs of the industry.
3. The industry can be divided into four general categories: a) Skilled trade union and non-union workers who install large units in air-conditioning, and refrigeration. b) Skilled and non-skilled workers in servicing companies, c) Non-skilled or semi-skilled workers in small unit installation (window box) d) In-plant serviceman, skilled and unskilled.
4. The short range need for the industry is to upgrade, present workers in the industry.
5. The long range needs of the industry is to encourage youth into this field and to provide fundamental training in air-conditioning and refrigeration.
6. The prospects for the future in air-conditioning and refrigeration work are good.

Project No. 6513

Title of Study:

TERMINATIONS FOR THREE MONTH PERIOD SEPTEMBER-DECEMBER 1964

Principal Investigator:
E.J. Terrell

Purpose of Study:
This study is conducted each year to determine the number of terminations in the state operated regional vocational-technical schools and technical institutes.

Source of Data:
Quarterly reports (VT-1D) from vocational-technical schools and technical institutes.

Findings and Conclusions:
The vocational-technical schools' enrollment on September 30, 1965 totaled 7147. The number of terminations experienced by the end of December 1965 equaled 313 students (4.37 percent). The percentage of terminations during this period for the previous year was 3.79 percent.

The state technical institutes witnessed a slight drop in the three month termination figure when compared with the previous year. The September 30, 1965 total enrollment was 1543. By the end of December they had a total of 291 terminations (18.8 percent). Further details are included in Vocational Research Letter No. RE-5 (series 1965-66).

Project No. 6514

Title of Study:

A SURVEY TO DETERMINE THE NEED FOR AUTO BODY WORKERS IN CONNECTICUT

Principal Investigator:
R.E. Bennett

Purpose of Study:
To determine the immediate and future demand for auto body workers in Connecticut.

Source of Data:
This was a cooperative undertaking which combined the resources of the Research Coordinating Unit and Auto Body Trades Associations throughout the state. The Auto Body Trades Associations obtained the data while the RCU provided consulting services and interpretation of findings.

Findings and Conclusions:
Results of Survey

Location	Presently Employed	Present Vacancies	Estimated Needs next 10 years
New London	27	5	21
Bridgeport	123	56	76
Waterbury	43	7	19
Norwalk	107	27	71
New Haven	186	38	103
Hartford	216	52	354
Totals	702	185	644

Project No. 6515

Title of Study:

GRADUATE FOLLOW-UP SURVEY

Principal Investigator:
R.C. Wilson

Purpose of Study:
To provide information with which to evaluate the post-graduation activities of vocational graduates.

Source of Data:
Reports on graduate activities from each vocational program in Connecticut.

Findings and Conclusions:
The annual graduate follow-up summary of 1965 graduates of all vocational programs supervised by the Division of Vocational Education is now being printed and will be available for distribution within a short time.

There were a total of 2736 vocational graduates in 1965. Of the 2045 graduates available for placement, 1732 or 85% were employed in occupations in which they used the specialized training gained in their vocational courses. The unemployment rate for the 1965 graduates was only 1.2% as compared to the previous low of 1.6% reported for the 1964 graduates.

The average starting wage for these graduates was $1.96 per hour. Those graduates entering the armed forces constituted 10.2% of the total, while 12.6% continued their education on a full-time basis.

Project No. 6516

Title of Study:

A SURVEY TO DETERMINE THE POTENTIAL ENROLLMENT IN THE PROPOSED TECHNICAL INSTITUTE TO BE LOCATED IN THE ORANGE-NEW HAVEN AREA

Principal Investigator:
R.E. Bennett

Purpose of Study:
To project the enrollment of the proposed Orange-New Haven Institute through 1975 and to determine the effect of this enrollment on surrounding institutes.

Source of Data:
Technical Institutes, High Schools, Connecticut Labor Department

Findings and Conclusions:
The study is on its final stages of completion. Tentative findings indicate that a sufficient enrollment (upwards of 400) could be expected to enroll in the Orange-New Haven Institute in 1975.

Project No. 6517

Title of Study:

PREDICTIVE TEST BATTERY - REGIONAL VOCATIONAL TECHNICAL SCHOOLS

Principal Investigator:
Dr. John G. Miller, School of Education, New York University

Project Consultant:
H. Hightland, K. Terrell, R. Wilson, and P. Masley

Purpose of Study:
Establish a set of criteria and validate a battery of selected instruments which will enable counselors to predict success of students in differentiated trade programs.

Source of Data:
Test battery results and school records

Findings and Conclusions:
This study has been awarded to New York University. It is presently in progress and will complete its first phase on 30 November 1966.

Project No. 6518

Title of Study:

NON-GRADUATE TERMINATIONS IN CONNECTICUT VOCATIONAL-TECHNICAL SCHOOLS 1964-65

Principal Investigator:
Guidance Coordinators' Research Committee

Purpose of Study:
The report on non-graduate terminations is an annual study reporting changes in the holding power of Connecticut vocational-technical schools

Source of Data:
Reports by the guidance coordinators in the 14 Connecticut vocational-technical schools.

Findings and Conclusions:

This report is part of a longitudinal study of student loss in Connecticut vocational technical schools.

The non-graduate termination percentage for the 14 schools was 14.5 with 6.3% terminating secondary education and 8.1% transfering to other academic programs. Twelve of the 14 schools showed a decrease in non-graduate terminations while two had an increase in student loss.

The N.G.T.% of 14.5 for 1964-65 was 2.2% below the 5 year average of (16.7 and 1.0 percent below the 15.5 average percent of 1963-64.)

Project No. 6519

Title of Study:

A STUDY OF CERTAIN CHARACTERISTICS OF THE GRADUATES OF 1965 IN CONNECTICUT VOCATIONAL-TECHNICAL SCHOOLS

Principal Investigator:

Guidance Coordinators' Research Committee

Purpose of Study:

To isolate differences between the graduate and non-graduate terminators in Connecticut vocational-technical schools.

Source of Data:

1310 graduates of Connecticut vocational-technical schools were reported by the Guidance Coordinators in the fourteen schools.

Findings and Conclusions:

Data reported for the 1965 graduates includes:

1. Last recorded I.Q.
2. Elementary grades repeated.
3. Educational level of parents.
4. Home environment.
5. Socio economic status of father and mother.

Identical data is being collected for the non-graduate terminations for the 1965-66 school year and an analysis of the differences between the two groups will be conducted in the fall of 196.

Project No. 6520

Title of Study:

READING GRADE LEVELS FOR ACCEPTED 9TH & 10TH GRADE STUDENTS IN CONNECTICUT VOCATIONAL-TECHNICAL SCHOOLS

Principal Investigator:

Guidance Coordinators' Research Committee

Purpose of Study:

1. To develop a profile of incoming vocational-technical school students.
2. Examine the need for remedial reading programs in Connecticut vocational-technical schools.

Source of Data:

Accepted 9th & 10th grade students were administered the Gates Reading Test by the guidance coordinators in the fourteen Connecticut vocational-technical schools.

Findings and Conclusions:

The 1168 ninth grade students in Connecticut vocational-technical schools were found to have a mean reading level of 9.2 on the Gates Reading Survey Form MI administered during October of their freshmen year.

The report to each school included the scores for each student and were used to form reading groups for remedial work.

Project No. 6521

Title of Study:

PROGRAM DEVELOPMENT IN VOCATIONAL EDUCATION IN HEALTH SERVICE OCCUPATIONS AT THE SECONDARY AND POST SECONDARY LEVELS FOR THE HARTFORD AND WATERBURY LABOR MARKET AREAS

Principal Investigator:

David Pinsky, Professor of Labor Education, University of Connecticut

Project Consultant:

P. Masley

Purpose of the Study:

The purpose of this study is to ascertain opportunities in the field of health services and to identify distributions of those occupations which have potential for program development in vocational education at the secondary and post secondary level in the Hartford and Waterbury Labor Market areas.

Source of Data:

Interviewers will obtain data on health occupations from all hospitals and convalescent homes in the Hartford and Waterbury Labor Market areas.

Questionnaires designed to obtain data on health occupations will be sent to all doctors and dentists in the Hartford and Waterbury Labor Market areas.

Findings and Conclusions:

This study is now underway. Interview schedules will contain lists of health service occupations for which data will be obtained pertaining to present and future employment opportunities by job titles. An analysis will also be made to determine training content appropriate for these health service occupations.

Project No. 6522

Title of Study:

THE DEVELOPMENT OF A CURRICULUM FOR NON-FARM AGRICULTURAL EMPLOYMENT IN CONNECTICUT

Principal Investigator:
P.T. Masley

Purpose of Study:
The purpose of this study was to ascertain non-farm agricultural employment opportunities in Connecticut and to identify distributions of these occupations or job clusters which have potential with regard to curriculum development in vocational agriculture.

Source of Data:
This study was based on data obtained by paid interviewers from 480 firms. The firms were located in forty-three randomly selected towns representing twenty-five percent of the state population.

Findings and Conclusions:
In the 480 firms interviewed, 3475 full-time and 1081 part-time employees were identified in 290 job titles. Employers in these firms indicated anticipated employment in the next five years of 1064 full-time and 1089 part-time employees.

Occupational data pertaining to the development of programs for high school youth are favorable, in most cases, with regard to age and educational requirements, work experience, residential background, and proficiency in agriculture.

The employment prospects for high school youth and adults are good in non-farm agricultural occupations in Connecticut.

A variety of curricula can be developed for high school pupils and adults for many of the non-farm agricultural occupations identified.

Project No. 6523

Title of Study:

AN EXPERIMENTAL STUDY TO EVALUATE THE INTRODUCTION OF A VOCATIONALLY ORIENTED PROGRAM AT THE JUNIOR HIGH SCHOOL LEVEL

Principal Investigators:
Cooperative study between Yale University and Prospect Public Schools

Project Consultant:
P.T. Masley

Purpose of the Study:
The purpose of this study is to experiment and evaluate the introduction of a vocationally-oriented program at the junior high school level.

Source of Data:

Thirty students are participating in this program. The "Program Group" includes two sub-groups; the "Project Group" to which ten boys have been assigned and the "Control Group" which also includes ten boys. Ten girls have been assigned to the "Program Group".

Criteria including pupil school file, teacher anecdotal records, report cards, attendance records, discipline reports, intelligence and achievement scores were used for student selection.

Findings and Conclusion:

This study is now being compiled and summarized. Information as to outcomes should be available in the near future.

Project No. 6524

Title of Study:

BUSINESS EDUCATION CURRICULUM IMPLICATIONS OF THE EFFECT OF TECHNOLOGICAL CHANGE ON THE TYPES OF OFFICE MACHINES USED BY SELECTED CONNECTICUT BUSINESSES

Principal Investigators:

Dr. Cletus Clow, Associate Professor of Business Education, Central Connecticut State College

Project Consultant:

P. Masley

Purpose of Study:

a. To determine the type of office machines used in selected businesses throughout Connecticut

b. To determine the type of office machines used for instructional purposes in business education departments of the public schools in Connecticut.

c. To gather data which may be used for curriculum revision, background data for possible future studies in this area and a basis for decision when expending funds for office machines for instructional purposes.

Source of Data:

Questionnaires will be developed and sent to approximately 7000 selected businesses in the 17 Labor Market areas of Connecticut and every public school in the State.

Findings and Conclusions:

This study which is still in progress will provide a basis for future studies in the area of Office Machine instruction at the high school level, provide data for business education curriculum revision, and provide guidelines for the expenditure of public monies for the purchase of office machines for instructional purposes.

Project No. 6525

Title of Study:

A GUIDE FOR CURRICULUM EXPERIMENTATION IN FOOD HANDLING AND DISTRIBUTION IN HIGH SCHOOL AND POST HIGH SCHOOL VOCATIONAL TRAINING

Principal Investigator:
Dr. Philip G. Stiles and Dr. W. Howard Martin, University of Connecticut

Project Consultant:
P. Masley

Purpose of Study:

1. The Needs for Vocational programs in food handling and distribution will be defined in reference to pre-employment training and in-service training.

2. The level and type of training needed by teachers and administrators of food handling programs will be defined.

3. The scholastic level of training needed by students will be defined for the high school level and for the post high level.

4. An experimental curriculum guide will be developed for training persons in food handling and distribution. This guide will be for vocational training at the high school and post high school levels.

Source of Data:
Food store managers and employees will be interviewed on a sample basis. The sample shall be representative of the total industry and shall consist of at least five percent of the total. It will be randomized by area within the state. All food stores within the sample areas selected will be included in the survey.

A study of technical and vocational positions available in the wholesale and retail food stores in Connecticut and other nearby states, will be made. This will be accomplished by a thorough investigation of the task performed by employees of 25 leading food industries.

Findings and Conclusions:
This study is now underway. The development of an experimental curriculum guide will aid teachers and administrators in course faculty planning and in obtaining reference material. The availability of this guide will help implement teaching methods to maximize skill development potentials in students desiring food handling and distribution as a career.

Project No. 6526

Title of Study:

PROJECTED PROGRAMS-FEDERAL REPORTS 1966-67

Principal Investigator:
E.J. Terrell

Purpose of Study:
Provide the U.S. Office of Education with an overview of planned research projects.

Source of Data:
State Department of Education, Division of Vocational Education, Bureau Vocational Services and Research Coordinating Unit.

Findings and Conclusions:
The report summarized the planned research to be conducted through sub-contracts with Connecticut universities and colleges. Four major studies have been sub-contracted to investigate curriculum implications in office, health and distributive education.

Project No. 6527

Title of Study:

A PROPOSAL FOR A PILOT RESEARCH STUDY ON THE OCCUPATIONAL STATUS OF SCHOOL LEAVERS

Principal Investigator:
Roland Ursone, Guidance Coordinator, J.M. Wright Vocational Technical School

Project Consultant:
R.C. Wilson

Purpose of Study:
To determine to what extent early school leavers of the J.M. Wright Vocational-Technical School are employed in the vocation pursued while in school, and to gather additional pertinent information on these individuals.

Source of Data:
School records, counselors, teachers, employers and individual students.

Findings and Conclusions:
The study is in progress presently. Findings will be reported when data is complete.

Project No. 6528

Title of Study:

A STUDY OF THE OPPORTUNITIES FOR, REQUIREMENTS OF, AND KNOWLEDGES, ABILITIES AND RELATED CHARACTERISTICS POSSESSED BY BEGINNING OFFICE WORKERS IN THE STATE OF CONNECTICUT

Principal Investigator:
Dr. Dean Malsbary, Associate Professor of Business Education, University of Connecticut

Project Consultant:
P. Manley

Purpose of the Study:

1. To provide information on the nature and types of beginning office positions in Connecticut.

2. To provide information on the skills, knowledges, attitudes and understandings needed to do successful work in these positions.

3. To provide information that can be used as a basis for business curriculum evaluation and revision in the schools.

Source of Data:

The identification of major employers of beginning office workers in Connecticut and the types of jobs for which such workers are employed will be determined.

Interviewers will visit th. major employers to obtain data pertaining to beginning office workers in the state.

Findings and Conclusions:

This study is now underway. The overall objectives of the study are to provide basic information for the improvement of office education in the state particularly at the secondary school level.

The specific work performed by beginning office workers, the skills, knowledges, attitudes and understanding needed to perform the work, and characteristics and preparation for the job will be determined by interviewers who will visit the company, observe the worker on the job, talk with supervisors of the workers and obtain supervisor evaluations of the workers' performance.

Project No. 6529

Title of Study:

THE DEVELOPMENT OF A WORK ORIENTATION PROGRAMS FOR HOME ECONOMICS RELATED OCCUPATIONS

Principal Investigator:

Dr. Elsie Fetterman, Home Economics Supervisor, Windham High School

Purpose of Study:

The purpose of this study was to develop a work orientation program for home economics related occupations.

Source of Data:

Questionnaires were sent to forty-three teachers of secondary school work orientation programs for home economics related occupations in the United States.

In addition to the questionnaires, a total of twenty interviews were held with Connecticut State Employment Service managers in order to determine available job opportunities in home economics related occupations.

Findings and Conclusions:

Clusters of jobs existing in Connecticut in home economics related occupations are: Food service, 1708; private household, 2990; clothing related 2011; sales, 1279. The total number of job opportunities in home economics related occupations in Connecticut on file in Connecticut employment offices is almost eight thousand.

The large number of persons employed in home economics related occupations and the employment outlook for these positions justifies the development of a work orientation program for home economics related occupations in Connecticut. Home economics content should be utilized to help prepare individuals for employment as well as homemaking.

Project No. 6530

Title of Study:

SURVEY OF TRAINING NEEDS IN CONNECTICUT PLASTICS INDUSTRIES

Principal Investigator:

C.S. Greco

Purpose of Study:

To determine the need for curricula in plastics in Connecticut's vocational-technical schools or technical institutes.

Source of Data:

A job analysis survey form was mailed to 33 plastics manufacturers having ten or more employees. Twenty-six or 79 percent of the companies responded.

Findings and Conclusions:

Findings did not indicate a need for plastics curricula in the vocational-technical schools or technical institutes. Training needs revealed by the survey can be met through OJT programs, evening vocational-technical school and technical institute courses, or through the inclusion of the study of plastics in an existing technology.